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STARVISC 200-2.5 control

/// Data Sheet

Measure viscosity and display it, even during product development: the new IKA STARVISC 200-2.5 control torque-measuring stirrer makes it possible. The result can be read in real-time on the display. STARVISC therefore has a broad range of applications. This is particularly helpful during product development: STARVISC already clearly indicates while running research programmes as to whether the stirred substance can be used as desired.

High-precision measurement
STARVISC measures in a highly precise way and does this even during the manufacturing process. Samples no longer have to be taken separately.

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Viscosity calculation
A viscosity calculation can be carried out immediately via a userfriendly menu.

Removable control unit
The modern TFT display is removable. This means that STARVISC can also be controlled from a safe distance.

Powerful stirrer
Even highly viscous substances can be intensively stirred using the powerful STARVISC stirrer.

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Technical Data

Stirring quantity max. per stirring position (H2O) [l]	100
Motor rating input [W]	130
Motor rating output [W]	84
Motor principle	Brushless DC
Speed display	TFT
Speed range [rpm]	0/6 - 2000
Intermittent operation	yes
Viscosity max. [mPas]	100000
Output max. at stirring shaft [W]	84
Permissible ON time [%]	100
Torque max. at stirring shaft [Ncm]	200
Torque I max. [Ncm]	200
Torque II max. [Ncm]	40
Speed range I (50 Hz) [rpm]	6 - 400
Speed range II (50 Hz) [rpm]	30 - 2000
Speed range I (60 Hz) [rpm]	6 - 400
Speed range II (60 Hz) [rpm]	30 - 2000
Speed adjustment	stepless
Setting accuracy speed [rpm]	±1
Deviation of speed measurement n > 300rpm [%]	±1
Deviation of speed measurement n < 300rpm [rpm]	±3
Stirring element fastening	chuck
Connection for ext. temperature sensor	PT1000
Temperature display	yes
Plug-in coupling (Ø) [mm]	10
Chuck range diameter [mm]	0.5 - 10
Fastening on stand	extension arm
Extension arm diameter [mm]	16
Extension arm length [mm]	220
Torque display	yes
Nominal torque [Nm]	2
Torque measurement	yes
Deviation of torque measurement I [Ncm]	±2.5
Deviation of torque measurement II [Ncm]	±2.5
Timer	yes
Timer display	TFT
Time setting range [min]	1 - 6000
Temperature measuring range [°C]	-10 - +350
Temperature measurement resolution [K]	0.1
Accuracy of temperature measurement [K]	±0.5 + tolerance PT1000 (DIN EN 60751 Class A)
Limit deviation temperature sensor [K]	≤ ± (0.15 + 0.002xITI)
Housing material	alu-cast coating / thermoplastic polymer
Communication distance (depend onbuilding) max. [m]	150
Dimensions (W x H x D) [mm]	91 x 395 x 231
Weight [kg]	5.9
Permissible ambient temperature [°C]	5 - 40
Permissible relative humidity [%]	80
Protection class according to DIN EN 60529	IP 40

RS 232 interface	yes
USB interface	yes
Voltage [V]	100 - 115
Frequency [Hz]	50/60
Power input [W]	130